L 10176-63 EWT(1)/BDS/EED(b)-2/ES(v)—
ASD/RADC/SSD--Pe-4--IJP(C)
ACCESSION NR: AP3001619 S/0030/63/000/005/0073/0075

AUTHOR: Shnirman, G. L.; Dubovik, A. S.; Kevlishvili, P. V.; Granigg, A. B.; Korolev, I. A.

TITLE: New camera for high-speed photography

SOURCE: AN SSSR. Vestnik, no. 5, 1963, 73-75

TOPIC TAGS: high-speed photography, photographing physical phenomena

ABSTRACT: The Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of Physical Chemistry, Academy of Sciences SSSR) has designed and built the ZhLV-1 camera for photographing high-speed luminescent phenomena, e.g., high-temperature plasma, combustion and explosion processes, and shock waves. The orginality of the mirror-scanning system, the automation of operation, and the camera's advanced engineering characteristics make it a very powerful tool for investigation. The camera can be used for frame photography with a speed of 45,000 to 4,200,000 frames per second and as a photorecorder with slit scanning and time resolution of up to 2 x 10 sup -8 sec. The frame size and image

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ACCESSION NR: AP3001619

scale can be selected according to the experimental conditions. The focal length varies from 50 to 450 mm. Continuous photorecording is done by means of mirror scanning, which is accomplished by two plane-parallel mirrors crossed at an angle of 45° and located on one axis of rotation in two circles, one above the other. The camera is controlled remotely. The operator controls the supply voltage and the vacuum pump manually; all other operations proceed automatically. There is a system for recording the rotations of mirrors during photographing. The mirror-scanning, frame-photographing, and photorecording with slit scanning processes are shown diagramatically. Orig. art. has: 4 figures.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 21Jun63 ENCL: 00

SUB CODE: 00 NO REF SOV: 000 OTHER: 000

Card 2/2

ACC NR: AT6000081 SOURCE CODE: UR/2619/64/000/035/0036/0042

AUTHOR: Shnirman, G. L. 44,55 33 B+1

ORG: Institute of Physics of the Earth im. O.Yu. Shmidt, AN SSSR (Institut fiziki zemli AN SSSR) 44,55

TITLE: Epicentral seismic station

SOURCE: AN SSSR. Institut fiziki zemli. Trudy, no. 35, 1964, 36-42

TOPIC TAGS: seismologic station, seismography, seismograph, pendulum mechanics, seismologic instrument 44.55,12 44.55,12

ABSTRACT: This station is a variation of a three-component optical seismograph with round-the-clock microphotographic recording. The two horizontal pendulums are perpendicular to each other, and the axis of rotation is vertically oriented. The vertical pendulum is suspended by a cylindrical helical spring whose initial length is zero. Records are made photographically on 70-mm "Mikrat 300" high-resolution film at a rate of 12 mm/min. Seismograph magnifications may be 2X, 1X, 0.5X, 0.2X, and 0.1X, depending on the disposition of the counterweights. Since the recording rays can be moved ±10mm along the surface of the photographic paper, vibration amplitudes are 5, 10, 20, 50, and 100 mm, respectively (schematics for optics, unwinding of recorder, and electric motor are shown). Orig. art. has: 4 figures. [FSB: v. 1, no 5]

SUB CODE: ES / SUBM DATE: none

Card 1/1 MLB

090/0458

SHNIRMAN, M. I.

Shnirman, M. I. "The basic problems of the fight against crippling of children in the USSR", Sbornik nauch. trudov (N-vo zdravookhraneniya RSFSR. Resp. nauch. issled. in-t vosstanovleniya trudosposobnosti fiz. defektivnykh detey im. prof. Turnera), Leningrad, 1948, p. 6-16.

SO: U- 3042, 11 March 53, (Letopis "Zhurnal "nykh Statey, No. 7, 1949).

[redacted], I.I.

Zhukhman, M.I. "Trauma in children from Leningrad date," Trudy VI Vsesoyuz. s'yezda det. vrachey, posvyashch. pamyati prof. Filatova, Moscow, 1946, p. 451-56

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, No. 3, 1949)

LUBOVIK, A. S., KEVLISHVILLI, P. V. and SHNIRMAN, T. L.

"Beitrage zur Spiegelkamera,"

paper presented at 4th Intl. Congress on High Speed Photography, Cologne, 22-27 Sep 58.

L 40317-66 EWT(1) GW

ACC NR: AP6005348 SOURCE CODE: UR/0413/66/000/001/0092/0092 32 B

INVENTOR: Voyutskiy, V. S.; Vishnyakov, Ye. P.; Shnirson, M. B.; Levi, I. S.; Grodzenskiy, V. A.; Tabakov, A. P.

ORG: none

TITLE: Method of recording weak explosions and earthquakes. Class 42, No. 177640

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1966, 92

TOPIC TAGS: earthquake, ~~earthquake recording~~, seismic ~~vibration~~ wave, ~~correlation function~~, explosion, ~~explosion recording~~ seismology

ABSTRACT: An Author Certificate has been issued for a method of recording weak explosions and earthquakes based on determination of the interrelation function of seismic vibrations. To improve the quality and reliability of measurements, the values of the function obtained for a number of receiving points arranged along the profile are summed up with the varying time shifts corresponding to those predetermined by the location of the receiving points along the profile. [LD]

SUB CODE: 08/ SUBM DATE: 29Jan63/

Card 1/1 MLP UDC: 550.341

SHNITKO, I.

Swine

Successes of a leading swineherd. Kolkh.proizv. 12 no. 8, 1952.

9. MONTHLY LIST OF RUSSIAN ACCESSIONS, Library of Congress, November 1952. Uncl.

GEOGRAFIYA LATVIYSKOY SSR; UCHEBNIK DLYA 9. KLASSA SREDNEY SHKOLY / GEOGRAPHY OF LATVIAN SSR, BY / A. BRED I ANDREY ANDREYEVICH BRED. RIGA, LATVIYSKOYE GOS. IZD-VO, 19

V. ILLUS., DIAGRS., MAPS.

INCLUDES BIBLIOGRAPHY.

LIB. HAS: 1956
1957

SHNITKO, K.

Geografiya Latviyskoy SSR; Uchebnik Dlya 9. Klassa Sredney Shkoly (by) A. Bred I K. Shnitko. Riga, Latviyskoye Gos. Izd-vo, 1957.
91 p. Illus.

SHNITKO, L.I.; LEVYANT, G.A.; MARTYNOV, M.M.; POZHIDAYEV, V., red.; BRUILEVSKAYA, M., red.; SLAVYANIN, I., tekhn.red.

[Hidden capacities of the railroads in White Russia] Rezervy provoznoi sposobnosti zheleznykh dorog Belorussii. Minsk, Gos. izd-vo BSSR. Red.nauchno-tekhn.lit-ry, 1958. 334 p. (MIRA 12:12)

(White Russia--Railroads)

ACC NR: AP7000359 (A) SOURCE CODE: UR/0413/66/000/022/0125/0125

INVENTOR: Shnitko, T. A.; Shashkin, A. A.; Stepanova, G. P.

ORG: none

TITLE: Linear-acceleration pickup. Class 42, No. 188766

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 22, 1966, 125

TOPIC TAGS: acceleration measurement, linear acceleration, accelerometer

ABSTRACT: This Author Certificate introduces a linear-acceleration pickup which has a spring-loaded inertial mass, a damping block, bellows, working fluid, and a

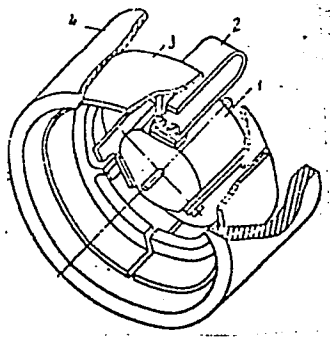

Fig. 1.

1 - Inertial mass; 2 - bimetallic clamps; 3 - section clamps; 4 - frame.

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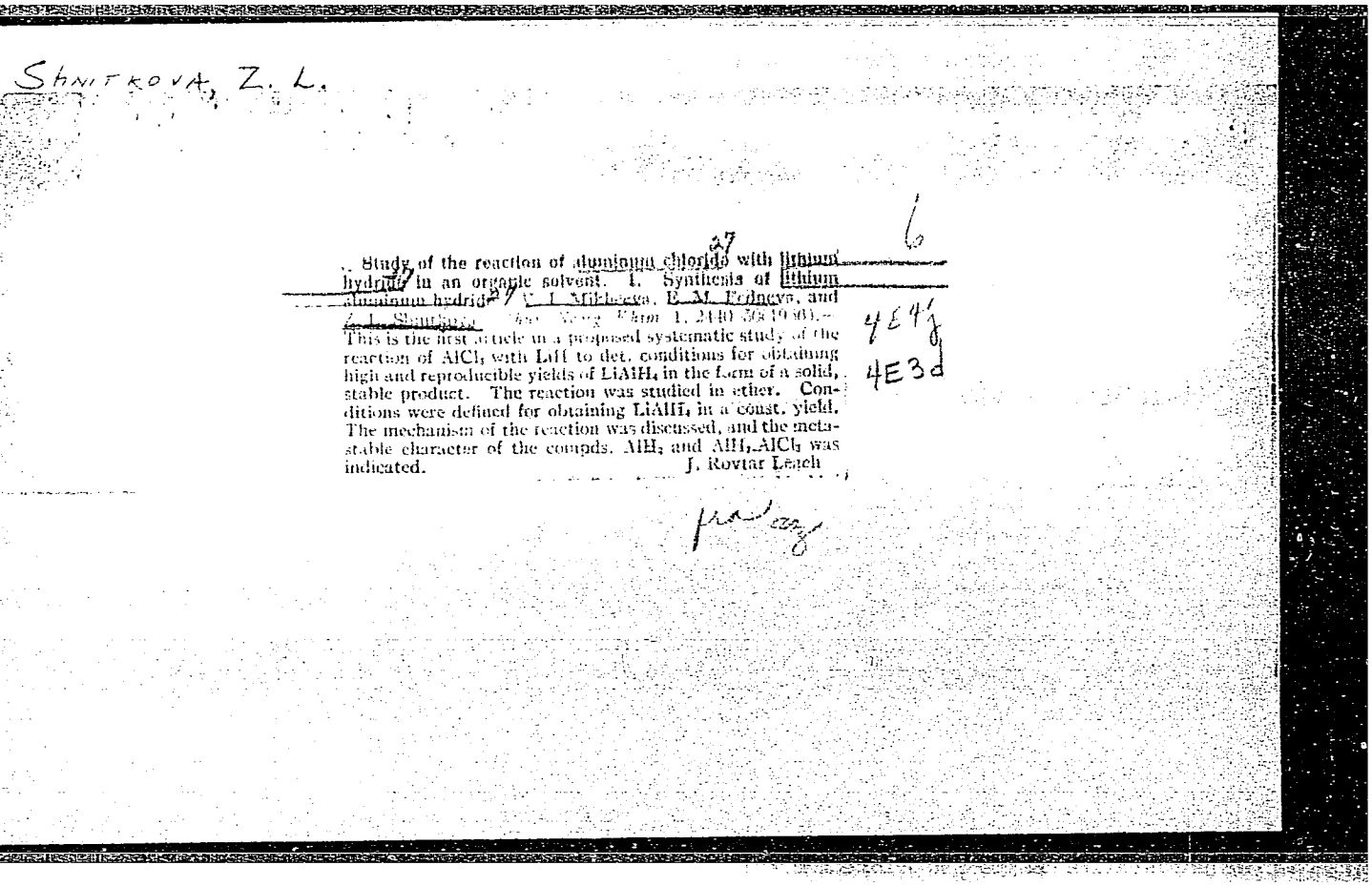
ACC NR: AP7000359

potentiometer slip ring. The damping block is composed of inertial mass with rigidly mounted bimetallic clamps interacting with the section clamps, which with the frame form a variable circular slot. This design provides a constant damping coefficient automatically inspite of temperature changes in the surrounding media (see Fig. 1). Orig. art. has: 1 figure.

SUB CODE: 14/ SUBM DATE: 23Oct65/ ATD PRESS: 5108

Card 2/2



SHNITKOVA, Z. L.

6

.. Study of the reaction of aluminum chloride with lithium hydride in an organic solvent. I. Synthesis of lithium aluminum hydride. V. I. Mikheeva, E. M. Fedneva, and Z. L. Shnitkova. Zhur. Neorg. Khim. 1, 2440-58(1956).— This is the first article in a proposed systematic study of the reaction of $AlCl_3$ with LiH to det. conditions for obtaining high and reproducible yields of $LiAlH_4$ in the form of a solid, stable product. The reaction was studied in ether. Conditions were defined for obtaining $LiAlH_4$ in a const. yield. The mechanism of the reaction was discussed, and the metastable character of the compds. AlH_3 and $AlH_3 \cdot AlCl_3$ was indicated. J. Rovtar Leach

4E4j
4E3d

KHARCHENKO, K., inzh.; SHNITMAN, B.

Indoor television antenna. Radio no.7:25 Jl '65. (MIRA 18:9)

KAPLAN, Ya.I.; OBUKHOV, A.I.; PILEVSKIY, M.V.; SHNITMAN, I.L.; VYSHESLAVTSEV, S.I., nauchnyy red.; VOLNYANSKIY, A.K., glav. red.; SOKOLOV, D.V., zam. glav. red.; TARAN, V.D., red.; SEREBRYANNIKOV, I.G., red.; MIKHAYLOV, K.A., red.; STAROVEROV, I.G., red.; VOLODIN, V.Ye., red.; NIKOLAYEVSKIY, Ye.Ya., red.; SHIROKOVA, G.M., red. izd-va; GOL'BERG, T.M., tekhn. red.

[Assembly of elevators] Montazh liftov. Moskva, Gosstroizdat, 1962. 227 p. (MIRA 15:7)

(Elevators)

SHNITMAN, S.B.---

Steam distiller with repeated distillation and automatically controlled quality indicator. Prom. energ. 16 no.2:14-16 F '61. (MIRA 14:3)

(Distillation)

L 45411-66 EWT(l)/EWT(m)/EWP(i)/T/EWP(t)/EWP(b) IJP(c) JD/GG

ACC NR: AT5025642 SOURCE CODE: UR/2657/65/000/013/0306/0311

AUTHOR: Shalimova, K. V.; Gulyayev, A. M.; Shnitnikov, A. S.; Kalinina, O. B.

ORG: none

TITLE: Hall pickups based on thin layers of indium antimonide

SOURCE: Poluprovodnikovyye pribory i ikh primeneniye; sbornik statey, no. 13, 1965, 306-311

TOPIC TAGS: thin film transducer, Hall effect, thermoelectric sensor, magnetic field measurement, indium antimonide

ABSTRACT: Hall pickups prepared by K. G. Günter's three-temperature method were developed for use as functional elements in electronic systems and for measuring the strength and configuration of magnetic fields. Thin films of indium antimonide were used as semiconductor layers, with dimensions ranging from 0.4 x 1.2 mm to 4 x 8 mm. Four different types of pickups were developed. The first type, designed for use as functional elements in multipliers, dividers, and detectors, had overall dimensions of 10 x 15 mm with a semiconductor layer 3 x 3 mm in area. Two other types of pickups were designed for measuring magnetic fields and for use in automatic devices. The fourth type measured 1.2 x 0.4 mm and was developed for measuring the configuration of magnetic fields. The resistance of the pickups was less than 1000 ohm; sensitivity was 70—180 μv/oe. The relationships between the parameters of the pickups

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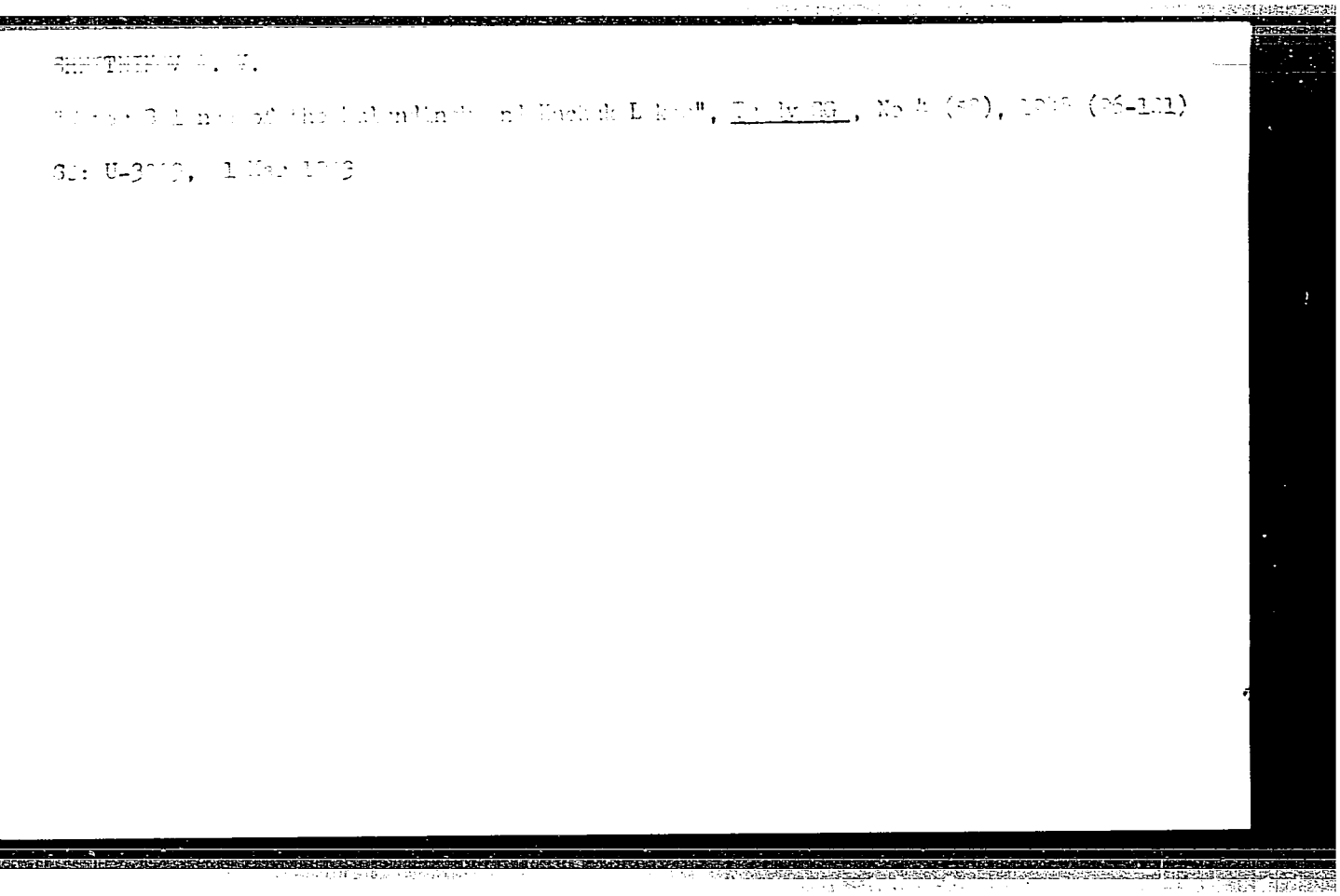
ACC NR: AT5025642

and temperature, conditions of heat transfer, and magnetic field strength were studied. The pickups were successfully used in magnetic field measurements, especially, between stators and rotors of electric machines. Orig. art. has: 3 figures. [JR]

SUB CODE: EM EC/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 005/ ATD PRESS: 4135

Card 2/2



SHORTHEW A. F.

"[illegible]", [illegible], No. 4 (52), [illegible] (56-101)

SI: U-3[illegible], 1 Mar 1[illegible]

SHNITNIKOV, A.V.

Intra-cycle variations of steppe lake levels of Western Siberia and northern Kazakhstan and their relation to the climate. Trudy Lab. ozeroved 1:28-129 '50. (MLRA 7:7)
(Siberia, Western--Lakes) (Lakes--Siberia, Western) (Siberia, Western--Meteorology--Periodicity) (Meteorology--Periodicity--Siberia, Western)

SHNITNIKOV, ... V.

178T74

USSR/Hydrology - Limnology 1 Feb 51

"Secular Fluctuations of Lake Level in West Siberia and North Kazakhstan and Their Dependence on Climatic Variations" A. V. Shnitnikov, Lab of Limnol, Acad Sci USSR

"Dok Ak Nauk SSSR" Vol LXXVI, No 4, pp 523-526

Subject steppe lakes are known to vary within 15-20 yr from complete draught to overflow. Studies of 100 lakes over 250 yr resulted in establishment of 6 complete cycles from 29 to 47 yr. Empirical formula is derived which allows one to predict future developments. Submitted 7 Dec 50 by Acad D. V. Nalivkin.

178T74

SHNITNIKOV, A.V.

Changes of level of steppe lakes in the southeastern section of European central U.S.S.R. within the past century. Trudy Lab.ozeroved. 2:93-107 '53. (MLRA 7:9)
(Lakes)

SHNITNIKOV, A.V.

Variability of mountain glaciation of Eurasia during the late glacial and post-glacial epochs and the absolute chronology. Izv.Vses.geog.ob-va 85 no.5:559-576 S-O '53. (MLRA 6:10)
(Glacial epoch)

SHNITNIKOV, A. V.

USSR

551.583.3

6.3-308

Shnitnikov, A. V., Izmenchivost' gornogo oledenenila Evrasii v pozdne- i poslelednikovuiu epokhu i ee absolutnaia khronologiia. [The variability of the mountain glaciology of Eurasia during the post glacial period and its absolute chronology.] *Akademiia Nauk SSSR, Doklady*, 90(4):643–646, June 1, 1953. 2 figs., table, 17 refs. DLC. Also in: *Vsesoiuznoe Geograficheskoe Obshchestvo SSSR, Izvestiia*, 85(5):558–576, 1953. DLC.—The 1850 year cycle of variation of the continental moisture in the Northern Hemisphere, established by the author, is correlated with various elements of mountain glaciation such as depression of the snow line, height of the terminal moraines deposited, length of glaciers, and the maxima of the different phases of retreat of the Wurm glaciation. The variability of glaciation in the central Caucasus and central Altai is compared with the Wurm retreat in the Alps and with the absolute chronology of individual phases of the Wurm glaciation applicable to the 1850 year cycle. Empirical curves showing the variation of the height of snow line in the Caucasus and Altai and the height of the position of the terminal moraines and lengths of glaciers with the 1850 cycles are presented. The exact correspondence of the various states of retreat of mountain glaciation from the Wurm maximum up until the present (generalized by L. A. VARDANIANTS) correspond very clearly to these curves. By extrapolating future glaciation minima and maxima their absolute prediction can be achieved. *Subject Headings:* 1. Glaciation 2. Eurasia.—*I.L.D.*

SHNITNIKOV, A.V.

Rhythm of the Caspian Sea in the Postwürmian. Dokl.AN SSSR 94 no.4:753-756 F '54. (MLRA 7:2)
(Caspian Sea--Geology, Stratigraphic) (Geology, Stratigraphic--Caspian Sea)

SHNITNIKOV, ARSENIY VLADIMIROVICH

SHNITNIKOV, Arseniy Vladimirovich (Laboratory of Lake Science Ac d Sci, USSR), Academic degree of Doctor of Geographic Sciences, based on his defense, 13 June 1955, in the Council of the Leningrad Order of Lenin State U imeni Zhdanov, of his dissertation entitled: "Changeability of the overall Humidity of Eurasia."

For the Academic Degree of Doctor of Sciences.

Byulleten' Ministerstva Vysshego Obrazovaniya SSSR, List No.8 14 April 1955
Decision of Higher Certification Commission Concerning Academic Degrees and Titles.

JPRS 512

SHNITNIKOV, A. V.

"The Past and Future of Lake Aral and the Big Climatic Rhythms"

report presented at the 3rd All-Union Hydrological Congress, 7-17 Oct 1957, Leningrad.

(Izv. Ak Nauk SSSR, ser geograf., 3, pp3-9, '58)

EYGENSON, M.S.; SHNITNIKOV, A.V., doktor geograficheskikh nauk, nauchnyy redaktor; GAZER, S.L., redaktor; PETROVA, T.N., tekhnicheskiy redaktor

[Sketches of physical and geographical manifestations of solar activity] Ocherki fiziko-geograficheskikh proiavlenii solnechnoi aktivnosti. [L'vov] Izd-vo L'vovskogo univ., 1957. 228 p.
(Solar radiation) (MIRA 10:7)

SHNITNIKOV, A.V.; PAVLOVSKIY, Ye.N., akademik, glavnyy red; DAVYDOV, L.K., prof., doktor geogr. nauk, otv. red.; ARONS, R.A., tekh. red.

[Variability of the general humidity on the continents of the northern hemisphere] Izmenshivost' obshchei uvlazhnennosti materikov Severnogo polushariia. Moskva, Izd. Akad. nauk SSSR, 1957. 337 p. (Geograficheskoe obshchestvo SSSR. Zapiski. Novaia seriia, vol.16). (MIRA 10:12)

1. Prezident Geograficheskogo obshchestva SSSR (for Pavlovskiy).
(Humidity)

SHNITNIKOV, A.V.

The lakes of western Siberia and northern Kazakhstan and multi-secular variability of moisture of the steppes. Trudy Lab. ozeroved. 5:5-63 '57. (MLRA 10:9)
(Siberia, Western--Lakes) (Kazakhstan--Lakes) (Steppes)

SHNITNIKOV, A.V.

Data on perennial silting of ponds in the region between the rivers Khoper and Medveditsa. Trudy Lab. ozeroved. 5:174-197 '57.
(Khoper Valley--Sedimentation and deposition) (MLRA 10:9)
(Medveditsa Valley--Sedimentation and deposition)

SHNITNIKOV A.V.

10-58-3-1/29

AUTHOR: Dzens-Litovskiy, A.I., Lopatin, G.V. and Shnitnikov, A.V.

TITLE: The Third All-Union Hydrological Congress (Tretiy vsesoyuznyy gidrologicheskiy s"yezd)

PERIODICAL: Izvestiya Akademii Nauk SSSR - Seriya Geograficheskaya, 1958, Nr 3, pp 3-9 (USSR)

ABSTRACT: From the 7th to the 17th October 1957 the Third All-Union Hydrological Congress took place in Leningrad. There were 1,200 experts on hydrology and adjacent subjects, and guests from people's democracies present; 429 reports were delivered, among them 140 reports from workers of the Gidrometeosluzhba (The Hydrometeorological Service), about 65 from workers of the USSR Academy of Sciences and the same number of reports by workers of Soviet Higher Education Institutions. At the plenary meetings of the conference the following 9 reports were delivered: "Investigations on the Interior Waters of the USSR and Future Tasks in Studying This Subject" by V.A. Uryvayev; "Water Engineering Construction in the USSR and the Tasks of Hydrology" by S.N. Kritskiy, M.F. Menkel' and A.I. Chebotareva; " Investigating Lakes and Water Reservoirs of the

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USSR" by Ye.V. Bliznyak and V.G. Andreyanov; "The Utilization of the USSR Water Resources and the Future development of Water Engineering" by A.N. Voznesenskiy; "The Present Methods of Hydrological Prognosis and Ways Leading to Their Development" by G.P. Kalinin; "The Research and Computation of Water Discharges in the USSR, Their Present State and Future Development" by D.L. Sokolovskiy; "The Climatic Factors of Water Balance on the Continent" by M.I. Budyko and O.A. Drozdov; N.Ye. Kondrat'yev reported on his research regarding the deformation of river beds, and Academician I.P. Gerasimov on "The Transformation of Water and Thermal Conditions Under the Influence of Meliorative Measures". During the continuation of the conference the following reports were delivered in the 9 sections: B.L. Lichkov on "The Unity of Natural Waters and the Formation of Subsurface Waters", based on the theory of the Academician V.I. Vernadskiy; M.I. L'vovich on "Complex Geographical Method in Hydrology and the Tasks of Its Development", A.V. Shnitnikov on "The Past and Future of Lake Aral and the Big Climatic Rhythms"; B.A. Apollov on "The Connection Between Solar Activity and the Phenomena Determining the Flow of Rivers"; Ye.S. Rubinshteyn and O.A. Drozdov on "Climatic Changes and Variations and the Secular Course of Precipitations". The report

of P.A. Kozlovskiy "Connections Between Hydrological and Terrestrial Electricity Problems" is said to have been interesting and valuable. Four reports were delivered by P.S. Kuzin, V.S. Mezentsov, V.I. Astrakhantsev and G.V. Lopatin on questions of hydrological partitioning; K.Ye. Ivanov reported on "Basic Principles of Swamp Hydrology"; V.V. Romanov on "Water Balance of Swamps in the European Parts of the USSR"; A.M. Gavrilov and P.V. Molitvin reported on their investigations regarding rivers in karst districts of the USSR; G.I. Shvets and E.G. Moskovkina reported on the secular fluctuations of the amount of water in the Dnepr and on historical floods at the lower parts of the Daugava; I.V. Bogolyubova, M.M. Ayzenberg, V.Ye. Ioganson, S.P. Kavetskoy and others reported on the study of flood waters and on catastrophic floods in mountainous districts; A.I. Dzens-Litovskiy on "Geological and Geographical Regularity in the Distribution of Fresh-Water-, Brackish- and Salt Lakes"; B.B. Bogoslovskiy on "Water Balance of Lakes in the USSR European Territory"; M.A. Man'ko and A.V. Agupov dealt in their reports with the subsurface supply of lakes, and A.N. Afanas'yev and O.I. Khalatyan with the water balance of the Lake Baykal and the Khrami water reservoir; G.I. Galaziy reported on "Botanical Method Serving Hydrology

and Engineering Geology". On the formation of shores and the bottom of water reservoirs, S.L. Vendrov dealt with the Tsimlyansk, the Kama, and the Kuybyshev water reservoirs; N.A. Labzovskiy, O.G. Grigor'yeva and A.S. Sukhodol'skiy on the theory of shore formation; V.M. Makkaveyev dealt with the theory of surge in water reservoirs; other reports delivered by Ye.M. Selyuk, P.I. Nikulin, V.L. Bulakh, V.P. Moskal' and I.G. Nikitin dealt with the theory of surge and in particular with the water reservoirs of Rybinsk, Kuybyshev, Kakhovka, Dnepr and Central-Asia. Matters of thermal processes and water balance of water reservoirs were treated by I.V. Molchanov, K.I. Rosinskiy, M.M. Aynbund (Lake Sevan), V.I. Verbolov (Lake Baykal), A.R. Konstantinov and G.G. Fedorova (Lake Valday). On subsurface water resources and the subsurface supply of rivers reported S.F. Aver'yanov, S.N. Bogolyubov, B.I. Kudelin, B.L. Lichkov, F.A. Makarenko, G.M. Zakharchenko, A.I. Kalabin, V.A. Sergeyev, V.I. Duginov, V.A. Korobeynikov, G.F. Basov. N.I. Druzhinin, A.V. Lebedev, O.V. Popov and others referred to the state of subsurface water supplies and A.A. Rode, N.N. Favorin, A.K. Filippov and others to the water physical characteristics of soils. A.M. Ovchinnikov, V.I. Dukhanin and others reported on their investigations of the regularity of

subsurface water formation and distribution in the Russian lowland. From the regional reports are mentioned: M.M. Ivanitsin, on the formation of subsurface water in the irrigated cases of Uzbekistan; B.N. Arkhangel'skiy, on underground depressions in the North-Western district; M.V. Silich, on the karst of the Lithuanian SSR. The question of evaporation from the water surfaces was covered by Z.A. Vikulin, D.L. Laykhtman, T.V. Kirillov, A.A.Krassovskaya, M.P. Timofeyev, N.I. Yakovlev and others. On the subject of evaporation from ground and vegetation, reports were delivered by V.F. Pushkarev, A.R. Konstantinov, V.V. Romanov, N.P. Rusin, V.I. Kuznetsov, S.F. Fedorov, V.F. Shebeko and others. On ice and snow research spoke G.D. Rikhter, Ye.Ya. Shcherbakov, I.V. Ivanov, P.P. Kuz'min, O.A. Spengler, A.P. Braslavskiy, A.G. Kolesnikov, A.A. Pivovarov, A.G. Pronin, B.P. Panov and others. On hydrochemistry and sanitary preservation of water, reports were delivered by N.M. Bochkov, S.M. Drachev, M.I. Kriventsov, A.O. Alekin, P.F. Bochkarev, N.V. Veselovskiy, P.P. Voronkov, K.K. Votintsev, S.G. Vznuzdayev, K.V. Filatov and others; on the regularity of chemical composition in natural waters of different geographic zones reported A.O. Alekin, L.V. Brazhnikova, P.V. Voron-

kov, A.I. Dzens-Litovskiy and others. Considerable attention was paid to the study of the conditions in regulated rivers and the state of technical equipment in hydrometric work (O.N. Borsuk, Ye.M. Znamenskaya, S.I. Koplan-Diks and A.K. Proskuryakov). On the possibility of using physical methods of measuring, based on the laws of ultra-accoustics and nuclear radiation, reported M.M. Arkhangel'skiy, A.M. Dimaksyan and Ye.V. Berg. I.V. Popova and Ye.A. Romanova reported on the future possibilities of using air photosurvey. Ye.V. Bliznyak proposed a scheme to systematize information on USSR water resources. On new methods of calculating the regulation of flow reported S.N. Kritskiy and M.F. Menkel'; I.A. Zheleznyak elucidated the phenomenon of transformation of the flood flow by means of a system of water reservoirs. Thirty five reports were presented by representatives of people's democracies.

AVAILABLE: Library of Congress

Card 6/6

1. Conferences - Hydrological Congress - Leningrad
2. Hydrology - USSR

LICHKOV, Boris Leonidovich, prof.; PAVLOVSKIY, Ye.N., akademik, glavnyy red.; TOLSTIKHIN, N.I., otv.red.; SHNITNIKOV, A.V., otv.red.; SUVOROV, I.V., red.izd-va; BOCHEVER, V.T., tekhn.red.

[Natural waters of the earth and the lithosphere] Prirodnye vody Zemli i litosfera. Moskva, Izd-vo Akad.nauk SSSR, 1960. 163 p. (Geograficheskoe obshchestvo SSSR, Zapiski. Novaia seriia, vol.19) (MIRA 14:5)

1. Prezident Geograficheskogo obshchestva SSSR (for Pavlovskiy). (Earth)

SHNITNIKOV, A. V.

"Dynamics of Climatic and Other Components of the Geographical Sphere in the Epoch of Holocene (Eurasia and Fennoscandia in particular)"

report to be submitted for the Intl. Geographical Union, 10th General Assembly and 19th Intl. Geographical Congress, Stockholm, Sweden, 6-13 August 1960.

SHNITNIKOV, A.V.

Spring runoff of rivers in the Khoper-Medveditsa interfluve during the period 1949-1955 as compared with the normal annual runoff. Trudy Lab. ozeroved. 9:14-29 '60. (MIRA 13:8)
(Khoper Valley--Runoff)
(Medveditsa Valley--Runoff)

SHNITNIKOV, A.V.

Recent transformation of the Volga flood plain and its lakes near the mouth of the Ilet'. River. Trudy Lab. ozeroved. 10:142-159 '60. (MIRA 14:6)

(Volga Valley--Hydrography)

KALESNIK, S.V., prof., otv. red.; LOPATIN, G.V., doktor geogr. nauk, red.; SHNITNIKOV, A.V., doktor geogr. nauk, red.; MOSEVICH, N.A., doktor biolog. nauk, red.; ZHELEZNYAK, I.A., kand. tekhn. nauk, red.; TSVETKOV, N.V., red. izd-va; ZAMARAYEVA, R.A., tekhn. red.

[Small bodies of water in lowland regions of the U.S.S.R. and their utilization] Malye vodoemy ravninnykh oblastei SSSR i ikh ispol'zovanie. Moskva, 1961. 399 p. (MIRA 14:5)

1. Akademiya nauk SSSR. Laboratoriya ozerovedeniya. 2. Chlen-korrespondent AN SSSR (for Kalesnik)
(Water resources development--Congresses)

SNITNIKOV, A. V.[Shnitnikov, A. V.]

Present phase of the variation of the Alpine intrasecular glaciation in the northern hemisphere. Analele geol geogr 15 no.4:112-130 O-D '61.

(Glaciers)

SMIRNOV, A.P.

Present phase of the intrasecular variability of mountain glaciation in the Northern Hemisphere. Izv. Vses. geogr. ob-va 93 no.1:[illegible]-33 '61. (MIRA 14:2)

(Glaciers)

SHNITNIKOV, A.V.

Lakes of western Asia as indicators of fluctuations in the total humidity of their basins. Trudy Lab.ozeroved. 15:4-74 '63. (MIRA 16:3)

(Soviet Central Asia--Lakes)

SHNITNIKOV, A. V.

Tide-generating force as a factor of the changeability of mountain glaciation. Geog. sbor. no.17:102-140 '64.
(MIRA 18:8)

10(4), 3(5) SOV/98-59-9-15/29

AUTHOR: Shnitnikov, D.V., Engineer

TITLE: Resistance Against Erosion by Various Types of Permian Sediments

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1959, Nr 9 p 47 (USSR)

ABSTRACT: A characteristic velocity of water which starts to cause erosion by various permian sediments and a certain relation between this velocity and swelling deformation caused by water-saturation softening, were tried to be determined by laboratory experiments. No regular relation between a scouring velocity of water and the depth and lithological type of the tested strata has been observed. The characteristic scouring velocity amounts from 0.55 to 2.70 m/sec for various types of permian sediments. The samples more deformed by water saturation were, as expected, less resistant to scouring than the less deformed ones. There are 1 table and 1 graph.

Card 1/1

GRAD, N.Ye.; DUSHIN, B.M.; MERZON, A.G.; SHNITNIKOV, S.Ya.; KOVTUNOVICH, S.D.; UMANSKIY, A.A.

Efficient utilization of crumpled hides in the manufacture of chrome leather. Kozh.-obuv.prom. 6 no.1:20-22 Ja '64. (MIRA 17:4)

SHNITNIKOV, V.N. ed.

SHNITNIKOV, V.N. ed. ...Dzhetysu (Semirech'e) Estestvenno-istoricheskoe opisanie kraia. Tashkent, Uzbek gosizdat, 1925. 234 p.
DA NN

SO: LC, Soviet Geography, Part II, 1951, Unclassified

SHNITNIKOV, V.N.

Recent expansion of animal habitat boundaries. Izv.AN Kazakh.SSR. Ser.zool. no.7:29-33 '48. (MLRA 9:5)
(Zoogeography)

SHNITNIKOV, V.N., doktor biologicheskikh nauk, zasluzhennyy deyatel' nauki KazSSR; MARIKOVSKIY, P.I., doktor biologicheskikh nauk, redaktor; GUSEVA, N., redaktor; BARANOV, M., redaktor; KHIGIROVICH, I., tekhnicheskiy redaktor; ZLOBIN, M., tekhnicheskiy redaktor

[Our animals in photographs from nature] Nashi zhivotnye v fotografiiakh s natury. Alma-Ata, Kazakhskoe gos. izd-vo. Vol.2. 1949. 271 p. Vol.5. 1954 308 p. (MLRA 9:10)
(Kazakhstan--Zoology)

SHNITNIKOV, V.N.

SHNITNIKOV, V.N. Ptitsy Semirech'ia. Moskva, 1949. 664, (3) p. (Akademiia Nauk SSSR).
Bibliography: p. 661-/665/. DLC: QL691.R9S47

SO: LC, Soviet Geography, Part II, 1951/Unclassified.

SHNITNIKOV,V., ornitolog

In the wilds of Polesye. Vokrug sveta no.7:41-44 Jl'55.
(Polesye--Birds) (MLRA 8:10)

SHNITNIKOV, V.

In the thickets of Polesye. Vokrug sveta no.8:49-51 Ag'55.
(Polesye--Birds) (MLRA 8:12)

SHNITNIKOV, Vladimir Nikolayevich; METANIYEVA, M., redaktor; MIKHAYLOVSKAYA, N., tekhnicheskiy redaktor

[Animals and birds of our country] Zveri i ptitsy nashei strany. [Moskva] Izd-vo TsK VLKSM "Molodaia gvardiia," 1957. 252 p.
(Birds) (Mammals) (MLRA 10:8)

SHNITNIKOV, Vladimir Nikolayevich, doktor biolog.nauk; KUZNETSOV, N.S., red. [deceased]; VILENSKAYA, E.N., tekhn.red.

[Recollections of a naturalist] Iz vospominaii naturalista. Moskva, Gos. izd-vo geogr.lit-ry, 1958. 323 p. (MIRA 12:2)
(Nature study)

Shnitnikov V.N.

AUTHOR: Formozov, A.N., Professor (Moscow) 26-58-6-46/56

TITLE: Biological Outlines of Animals and Birds of the Soviet Union (Biologicheskiye ocherki o zveryakh i ptitsakh Sovetskogo Soyuza)

PERIODICAL: Priroda, 1958, Nr 6, p 118-120 (USSR)

ABSTRACT: This is a critical review of the book "Animals and Birds of Our Country" by V.N. Shnitnikov published by "Molodaya gvardiya" in 1957.

Card 1/1

1. Books--Review

SHNITNIKOVA, Z. Z.

AID P - 2487

Subject : USSR/Medicine

Card 1/1 Pub. 37 - 16/19

Authors : Goromosov, M. S., Bobrov, L. S., Galanin, N. F., Shnitnikova, Z. Z., Ivachev, V. V.

Title : Activities of the All-Union Scientific Society of Hygienists

Periodical : Gig. i san., 7, 56-58, Jl 1955

Abstract : An account of the Conference of the Board of the above society on February 16, 1955, and of the activities of the Moscow, Leningrad and Kazan branches in 1954-1955.

Institution: None

Submitted : No date

SHNITNIKOVA, Z.Z.

Concerning M.A.Sarkisian's article "On the dissemination of cysts of enteric protozoa by contact." Gig. i san. 21 no.11:50 N '56. (MLRA 10:2)
(PROTOZOA, PATHOGENIC)

SHNITNIKOVA, Z.Z.

New scientific society. Sov.zdrav, 18 no.11:63 '59. (MIRA 13:3)
(GERIATRIC SOCIETIES)

SHNITNIKOVA, Z.Z. (Leningrad)

Method for a graphic analysis of age-sex composition of the population and its application. Gig. i san. 24 no.3:47-52 Mr '59. (MIRA 12:5)

(POPULATION, statist.
age-sex composition, graphic analysis (Rus))

SHNITNIKOVA, Z.Z.

Concerning V.Doleisi's article "Analysis of the results of statistical studies." Sov. zdrav. 20 no.9:84-85 '61. (MIRA 14:12)
(MEDICAL STATISTICS) (DOLEISI, V.)

SHITNIKOVA, Z.Z. (Leningrad)

Reply to the article "Coronary insufficiency in intellectual workers" E.E. Krister and coauthors. Klin. med. 40 no.11: 144-147 N'62 (MIRA 16:12)

SHNITNIKOVA, Z.Z. (Leningrad)

Use of modern statistical methods in the processing of report materials on the incidence of disease among the population. Zdrav. Ros. Feder. 7 no.6:36-39 Je '63. (MIRA 17:1)

BASSARAB, R. I. and KORPAN, A. I. (Veterinary Doctors, Stanislav Oblast' Veterinary Bacteriological Laboratory), SHNITSAR, V. I. (Head Veterinary Doctor, Galician District, Stanislav Oblast'). (Abstracted by NOSKOV, A. I.)

"Use of phenothiazine emulsion in treatment of herpes tonsurans"....
Veterinariya, vol. 39, no. 3, March 1962 pp. 27

SHNITSER, G.B., inzh.; TSIKHON, V.A., inzh.

New equipment for making prestressed reinforced concrete products using vibrating stampers. Stroi.i dor.mashinostr. 4 no.12:19-21 D '59. (MIRA 13:3)
(Prestressed concrete) (Vibrators)

SHNITSER, G.M.

Efficient circuit for the control of the electric driving of filter presses. Sakh. prom. 37 no.3:49-50 Mr '63. (MIRA 16:4)

1. Dondyushanskiy sakharnyy zavod.
(Filters and filtration--Electric driving)

38274
S/096/62/000/006/011/011
E194/E454

21,2120

AUTHOR: Shnitser, G.Ya., Engineer

TITLE: Nomograms for approximate calculation of flow over turbine blading

PERIODICAL: Teploenergetika, no.6, 1962, 92-93

TEXT: The approximate method of calculating the velocity distribution over the profile of a turbine blade which is given (ibid. no.8, 1955) and which is valid for an incompressible fluid in a curved duct is based on the following procedure. To calculate the velocity w1 at the point A on the back of the profile (Fig.1) a circuit is constructed in the duct which is tangential to the blading at the points A and B and the duct width is determined along the equipotential line AB using the formula

$$\overline{w}_1 = \overline{t} \cdot \frac{\frac{1}{\overline{h}}}{\frac{1}{1+0{,}29\overline{h}} - \frac{\overline{h}}{2(2+\overline{h})\cdot\overline{R}_2}}, \qquad (1)$$

where где $\overline{w}_1 = \frac{w_1}{w_2}$; $\overline{R}_2 = \frac{R_2}{R_1}$; $\overline{h} = \frac{h}{R_1}$; $\overline{t} = \frac{t}{R_1}$;

Card 1/4

Nomograms for approximate ...

where w_1 - the rate of flow on the back of the profile at point A; w_2 - the divergent velocity component; R_2 - the radius of curvature of the concave side of the blade; R_1 - the radius of curvature of the back of the blade; h - the duct width measured along the equipotential lines. The rate of flow on the convex side of the blading w_2 is calculated from the formula

$$\frac{\bar{w}_2}{\bar{w}_1} = \frac{1-0{,}5\frac{\bar{h}}{\bar{R}_2}}{1+0{,}5\bar{h}} \qquad (2)$$

Although more accurate formulae have been proposed for calculating the flow in curved ducts, the early method is still widely used because of its simplicity and adequate accuracy and accordingly it is of interest to simplify the calculations by constructing a nomogram to replace formulae (1) and (2). The method of doing this is explained and the nomogram is reproduced as Fig.2. The use of the nomogram is conveniently illustrated by examples. Given $\bar{R}_2 = 1.78$; $\bar{h} = 0.45$; $\bar{t} = 0.83$ determine the velocity $\bar{w}_1$. Procedure $\bar{R}_2 - \bar{h}_2 \cdot (F_1) - \bar{t} - \bar{w}_1$.

Card 2/4

Nomograms for approximate ...

The points corresponding to 1.78 on the scale of $\bar{R}_2$ and to 0.5 on the scale $\bar{h}_1$ are joined by a straight line which is produced to intersection with the F scale. A line was drawn from this point through the point 0.83 on the scale of $\bar{t}$ and produced to intersection with the scale $\bar{w}_1$ giving the answer $\bar{w}_1 = 2.22$.
Second example, to determine the velocity $\bar{w}_2$:
Procedure $\bar{R}_2 - \bar{h}_2 - (F_2) - \bar{w}_2 - \bar{w}_1$.
Through the point 1.78 of the vertical scale $\bar{R}_2$ and the point 0.45 of the $\bar{h}_2$ scale draw a line and produce to intersection with the F scale. From this point draw a line through the point 2.22 on the $\bar{w}_1$ scale and produce to intersect with the $\bar{w}_2$ scale to give the answer $\bar{w}_2 = 1.58$. There are 2 figures.

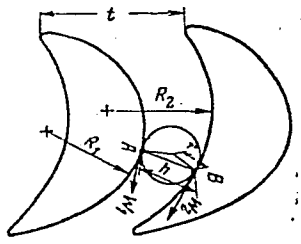

Fig.1.

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L 10025-63 EWP(q)/BDS/EWT(m)--AFFTC--JD/HW
ACCESSION NR: AP3000977 S/0229/63/000/005/0028/0030

52

AUTHOR: Shnitser, G. Ya., Engineer.

TITLE: Nomogram for the calculation of tensile stresses in turbine buckets of variable section. 18

SOURCE: Sudostroyeniye, no. 5, 1963, 28-30

TOPIC TAGS: gas-turbine buckets, tensile stresses in turbine buckets, variable-section turbine buckets, nomogram for turbine buckets.

ABSTRACT: The paper presents a nomogram developed from the fundamental equations for the tensile stresses in variable-section turbine blades or buckets at a given radius r. The nomogram consists of two parts which are employed successively in stress calculations. The use of the nomogram shown in the paper, which is constructed for steel buckets, permits solution of the following problems: (1) Determination of the tensile stresses in the root section of a bucket with a prescribed area ratio; (2) determination of the area ratio at which the stresses in the root section do not exceed a prescribedmmagnitude, for

Card 1/2

L 10025-63
ACCESSION NR: AP3000977

a variation of the relative length of the bucket and the peripheral speed or with the steam-passage area and the rpm; (3) calculation of the tensile stresses in the bucket root section for complex distributions of the areas of steam passage along the length of the blade. Three problems are worked out in numerical detail. It is noted that, following the determination of the stresses in the root section of a blade, the position of the center of gravity of the entire blade is readily determined. The nomogram-derived values were compared with values obtained by approximate integration using the trapezoid method with ten intervals along the length of a blade. The principal value of the nomogram is for preliminary-design purposes, when only the length of the blades and their peripheral speeds are available, and the nomogram can be usefully employed to determine the number of stages and other basic design parameters. There are 7 numbered equations and 3 figures.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 01Jul63 ENCL: 00

SUB CODE: PR,MD NR REF SOV: 002 OTHER: 000

Card 2/2

S/096/63/000/002/001/013
E194/E455

AUTHORS: Shagalova, S.L., Candidate of Technical Sciences, Timoshin, Yu.A., Reznik, V.A., Shnitser, I.N., Engineers

TITLE: An experimental study of the process of combustion of anthracite dust in the furnaces of large steam boilers

PERIODICAL: Teploenergetika, no.2, 1963, 2-9

TEXT: The combustion of anthracite dust was studied in the following boilers: type ТП-70 (TP-70) of 430 tons per hour with 12 combined pulverized-fuel/gas burners based on the ORGRES turbulent dust burner; type ТП-230-2 (TP-230-2) of 230 tons per hour with 6 round turbulent Babcock-TKZ burners and type ТП-230-Б (TP-230-B) of 230 tons per hour with 8 direct-flow pulverized fuel burners. A study was first made of the distribution of gas, fuel and temperature in the flames and the procedure is described. Considerable unevenness was found in the distribution of fuel and air between burners in boilers TP-230-2 and TP-70; it was corrected by dampers before the main tests were started. The influence of the following factors on the rate of combustion of anthracite dust was then studied; the excess-air factor, the primary and secondary air speeds and the primary/secondary air ratio,

Card 1/3

An experimental study ...

the fineness of milling of the fuels and the thermal loading of the furnace space. Extensive measurements were made of changes in gas composition, fuel content and temperature over the flame length. The performance of the various burners is discussed. The general conclusions concerning the combustion of anthracite dust with a range of particle sizes in direct flow flames are that the fine particles are burnt in the first part of the flame, 90% of the fuel being burned in about a quarter of the total combustion time, the latter part of which is taken up by incomplete combustion of large particles, which constitutes much of the unburned fuel loss. Where the fuel is burning very rapidly the oxygen concentration in the flame drops to 2 - 4%. The rating of screened single-chamber furnaces of the type described can be raised to 200 x 10^3 kcal/m^3 h with an unburned fuel loss of 3%, but to achieve this rate the furnace gas discharge temperature must be raised and slagging may be experienced, so that the factor which limits the thermal loading is the heat-exchange rate. To increase furnace loadings the combustion conditions should be such that large particles are readily burned, as in cyclone or vortex type furnaces. There are

An experimental study ... S/096/63/000/002/001/013
E194/E455

7 figures and 2 tables.

ASSOCIATION: Tsentral'nyy kotloturbinnyy institut
(Central Boiler and Turbine Institute)

Card 3/3

SHAGALOVA, S.I., kand.tekhn.nauk; TIMOSHIN, Yu.A., inzh.; SHNITSER, I.N., inzh.

Effect of the uneven distribution of dust and air in burners on the magnitude of mechanical incomplete combustion of anthracite culm. Energomashinostroenie 10 no.1:22-25 Ja '64. (MIRA 17:4)

SHAGALOVA, S.L., kand. tekhn. nauk; GUSEV, L.N., inzh.; SHNITSER, I.N., inzh.

Study of the combustion of anthracite culm in the combustion chamber of the TP-90 boiler with continuous flow-type long-slotted burners. Teploenergetika 11 no.8:36-41 Ag '64. (MIRA 18:7)

1. TSentral'nyy kotloturbinnyy institut.

[redacted]

[redacted] flow in cylindrical channels behind the [redacted] and the blade machines. Teploenergetika 12 no.3: 7-11 Mr '65. (MIRA 18:6)

1. [redacted] Leningradskiy kotloturbinnyy institut [redacted] i Rodel'skiy zavod imeni Ordzhonikidze.

SHAGALOVA, S.I., kand. tekhn. nauk; SHNITSER, I.N., inzh.; GROMOV, G.V., inzh.

Study of the aerodynamic characteristics of a flow emitted by a burner with blade mechanism. Teploenergetika 12 no.6:27-32 Je '65. (MIRA 18:9)

1. Tsentral'nyy nauchno-issledovatel'skiy kotloturbinnyy institut imeni I.I.Polzunova i ZiO.

L 05691-67

ACC NR: AP6019731 SOURCE CODE: UR/0096/66/000/007/0037/0041

AUTHOR: Shagalova, S. L. (Candidate of technical sciences); Reznik, V. A. (Candidate of technical sciences); Shnitser, I. N. (Engineer); Barbyshev, B. N. (Engineer)

57
B

ORG: TsKTi-TKZ

TITLE: Furnace aerodynamics and anthracite combustion during the operation of direct- and vortical-flow burners

SOURCE: Teploenergetika, no. 7, 1966, 37-41

TOPIC TAGS: aerodynamic design, coal, vortex flow, furnace, steam boiler, Combustion Kinetics

ABSTRACT: The authors study furnace dynamics and combustion kinetics of anthracite during the operation of direct- and vortical-flow burners. Results are given from a study on the aerodynamics of a burning jet. The firebox velocity fields of the TP-90 boiler operating with long-flame burners and TP-70 boilers operating on ORGRES-TsKTI vortical type short-flame burners are compared with the results of cold scavenging. Analysis of the data shows that qualitative calculations carried out with respect to cold burner scavenging cannot be applied to processes which occur during firebox burner operation. Burning jet data must be used for calculating the material and thermal balances at the initial part of the jet. This isothermal data can be used

Card 1/2 UDC: 683.87:621.18.001.5

L 05694-67

ACC NR: AP6019731

for determining burner resistance factors, improving the design of individual burner elements and for explaining the qualitative nature of gas flow in the furnace. Orig. art. has: 6 figures, 2 tables, 1 formula.

SUB CODE: 13,21/SUBM DATE: None/ ORIG REF: 002

Card 2/2

SHNITSER, I. S.

USSR/Medicine - Pleurisy Sep 48
Medicine - Therapeutics

"Ozokerite Therapy for Exudative Pleurisy," I. S. Shnitser, G. P. Shul'tsev, A. A. Shmidt, Therapeutic Clinic, Cen Inst for Advancement of Doctors, 2 pp

"Sov Med" No 9

This therapy was begun only recently, and to date the number of cases is less than 100. It proved most effective when combined with heat treatments. Produces a slight narcotic condition. Although research conducted by authors is extremely limited, results are published for future reference.

[redacted] 24/49T65

SHNITSER, I. S. (Co-author)

See: VILENSKAYA, F. L.

Shnitser, I. S. and Vilenskaya, F. L. -"Diagnosis of primary cancer of the gall bladder," Vracheb. delo, 1949, No. 2, columns 123-26

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

SHNITZER, I.S.

Venous blood pressure in Bosedow's disease. Sovet.vrach.sborn. no.17:28-29 S '49. (CIML 19:2)

1. Of the Hospital Therapeutic Clinic (Director -- Prof. W.F. Zeleniy, Active Member of the Academy of Medical Sciences USSR) of the Second Moscow Medical Institute.

SHNITSER, Docent I. S.

58/49T81

USSR/Medicine - Stomach Secretion Feb 49
Medicine - Vitamin B Complex, Effect of

"The Effect of Vitamin B Complex on the Acidity of the Gastric Juice," Docent I. S. Shnitser, Therapeutic Clinic, Cen Inst for Advancement of Doctors, Ord Lenin Hosp imeni Botkin, Moscow, 5 pp

"Klin Med" Vol XXVII, No 2

When nicotinic acid was administered to those free of gastro-intestinal diseases, acidity of gastric juice did not change for first 30 minutes but increased thereafter. Vitamin B_1 did not increase acidity in similar cases.

58/49T81

USSR/Medicine - Stomach Feb 49
Secretion (Contd)

Acidity of gastric juice under action of nicotinic acid does not increase as much in chronic as in acute cases of calculus cholecystitis. Vitamin B_1 does not change acidity in these cases. Also gives detailed report on changes in acidity due to action of nicotinic acid and Vitamin B1 in those with vegetative dystonia and ulcers.

58/49T81

Schnitzer, I. S.

KRASOVITSKAYA, S.Ye.; SYRKINA, P.Ye.; SCHNITZER, I.S.; SHAPIRO, S.M.

Anoxia syndrome in hypertonia. Ter.arkh. 22 no.2:8-13 Mr-Ap '50. (CLML 19:3)

1. Of the Department for the Therapy of Internal Diseases (Head -- Prof. M.S.Vovsi, Major General Medical Corps, Active Member of the Academy of Medical Sciences) and of the Department of Pathological Physiology (Head -- Prof. A.M.Charnyy), both of the Central Institute for the Advanced Training of Physicians.

SHVITSER, I.S., PROF.: CHERNOV, I.T., DOCENT

Goiter

Roentgenocardiokymography in Basedow's disease. Klin. med., 30, No.6, 1952.

Monthly List of Russian Accessions, Library of Congress, October, 1952, UNCLASSIFIED

SHNITSER, I.S., professor (Kislovodsk); GAVRILOVA, Ye.A. (Kislovodsk).

Effect of weather on hypertension. Klin.med. 31 no.10:28-31 O '53.
(MLRA 6:11)

1. Iz kafedry terapii i bal'neologii (zaveduyushchiy - professor I.S.Shnitser) TSentral'nogo instituta usovershenstvovaniya vrachey i sanatoriya im. I.V. Stalina (direktor O.A.Paukhov) Upravleniya Kislovodskogo kurorta.
(Hypertension) (Climatology, Medical)

SHNITSER, L.S.

SHNITSER, I.S., professor; GASKINA, I.Ye.

Application of Narzan baths in disorders of cardiac rhythm.
Terap.arkh. 26 no.1:45-50 Ja-F '54. (MLRA 7:5)

1. Iz kafedry terapii i bal'neologii (zav. - prof. I.S.Shnitser) TsIU i sanatoriia "Narzan" (Kislovodsk).
(ARRHYTHMIA, therapy, balneol.)
(BALNEOLOGY, in various diseases, arrhythmia)

SHNITSER, I.S., Prof. (Moskva)

Acute and chronic nephritis. Med.sestra no.4:6-10 Ap '55.(MLRA 8:5)

(NEPHRITIS,
etiol., compl. & ther. in chronic cases)

SHNITSER, I.S., professor

On the Morgagni-Adams-Stokes syndrome. Klin.med. 34 no.7:78-79 Jl '56. (MLRA 9:10)

1. Iz kafedry klinicheskoy i voyenno-polevoy terapii Voyenfaka TsIU (nach. kafedry. prof. S.A.Pospelov)
(HEART BLOCK, compl.
Adams-Stokes synd.)

SHNITSER, I.S., professor (Moskva)

Changes in the heart in Basedov's disease. Klin.med. 34 no.11: 3-12 N '56. (MLRA 10:2)
(HYPERTHYROIDISM, compl.
heart dis., ECG)
(HEART DISEASES, etiol. and pathogen.
hyperthyroidism, ECG)
(ELECTROCARDIOGRAPHY, in various dis.
heart dis. caused by hyperthyroidism)

SHNITSER, I.S., professor (Moskva)

Gastritis. Med.sestra 16 no.7:8-13 Jl '57. (MIRA 10:11)
(STOMACH--DISEASES)

SHNITSER, I.S., prof. (Moskva)

Pulmonary suppurations. Med.sestra 16 no.11:9-13 N '57. (MIRA 11:2)
(LUNGS--DISEASES)

SHNITSER, I.S., prof.

Stenocardia. Med.sestra 17 no.5:3-7 My'58 (MIRA 11:6)

1. Klinicheskaya ordena Lenina bol'nitsa imeni S.P. Botkina, Moskva.
(ANGINA PECTORIS)

SHNITSER, I.S., prof. (Moskva)

Changes in some internal organs in burn trauma. Sov. med. 24 no.4: 54-61 Ap '60. (MIRA 13:8)

(BURNS AND SCALDS)

SHNITSER, I.S., prof. (Moskva)

Treatment of patients with bronchial asthma. Klin.med. 38 no.10:12-16 O '60. (MIRA 13:11)
(ASTHMA)

SHNITSER, I.S., prof. (Moskva)

Recent state of the problem of rheumatism. Trudy MONIKI no.5: 3-16 '62. (MIRA 16:4)

(RHEUMATIC FEVER)

L 57502-65 EWT(l)/EWP(m)/EWA(d)/FCS(k)/EWA(l) Pa-l

ACCESSION NR: AP5013999 UR/0096/65/000/006/0027/0032
683.87.001.5

25
27
B

AUTHORS: Shagalova, S. L. (Candidate of technical sciences); Shnitser, I. N. (Engineer); Gromov, G. V. (Engineer)

TITLE: Investigation of the aerodynamic flow characteristics produced by a burner with vane deflectors

SOURCE: Teploenergetika, no. 6, 1965, 27-32

TOPIC TAGS: powdered fuel, fuel burner, fuel injector, furnace burner/ UT 11 2 V6 burner

ABSTRACT: The experiments with powdered fuel burner UT-11-2 (capacity 5 t/hr, used on boilers with capacity 640 t/hr) presented previously by S. L. Shagalova, I. N. Shnitser, and G. V. Gromov ("Teploenergetika" No. 3, 1965) were continued by determining the aerodynamic characteristics of the flow in a 1:4 scale model (see Fig. 1 on the Enclosure). Flow irregularity, change of velocity along the flame axis, swirl in the flow, angle enclosed by flame, size of recirculating regions, and amount of recirculation were measured. A comparison with other types of burners was also performed. It was found that in the range of speeds w_2/w_1 from 1.0 to 1.8 with

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